

# Maria Anna Messina

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

441  
citations

686830

13  
h-index

713013

21  
g-index

26  
all docs

26  
docs citations

26  
times ranked

463  
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of charged single isomer derivatives of cyclodextrins in capillary electrophoresis for chiral analysis. <i>Journal of Chromatography A</i> , 2010, 1217, 953-967.	1.8	88
2	A Subset of Patients With Autism Spectrum Disorders Show a Distinctive Metabolic Profile by Dried Blood Spot Analyses. <i>Frontiers in Psychiatry</i> , 2018, 9, 636.	1.3	41
3	The 6-derivative of $\beta$ -cyclodextrin with succinic acid: a new chiral selector for CD-EKC. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 37, 1009-1014.	1.4	32
4	Coordination properties of 3-functionalized $\beta$ -cyclodextrins. Thermodynamic stereoselectivity of copper(II) complexes of the A,B-diamino derivative and its exploitation in LECE. <i>Dalton Transactions</i> , 2005, , 2731.	1.6	28
5	Ligand exchange capillary electrophoresis by cyclodextrin derivatives, a powerful tool for enantiomeric separations. <i>Electrophoresis</i> , 2006, 27, 1471-1480.	1.3	28
6	Chiral separation of amino acids derivatised with fluorescein isothiocyanate by single isomer derivatives 3-monodeoxy-3-monoamino- $\beta$ - and $\gamma$ -cyclodextrins: the effect of the cavity size. <i>Journal of Chromatography A</i> , 2012, 1269, 360-365.	1.8	23
7	A facile method for urinary phenylalanine measurement on paper-based lab-on-chip for PKU therapy monitoring. <i>Analyst</i> , 2017, 142, 4629-4632.	1.7	22
8	Mass spectrometry detection as an innovative and advantageous tool in ligand exchange capillary electrophoresis. <i>Electrophoresis</i> , 2011, 32, 1176-1181.	1.3	18
9	Synthesis and characterisation of the 3-amino-derivative of $\beta$ -cyclodextrin, showing receptor ability and metal ion coordination properties. <i>Tetrahedron Letters</i> , 2008, 49, 4765-4767.	0.7	17
10	Simultaneous separation of different enantiomeric pairs in capillary electrophoresis by mixing different hemispherodextrins, a very versatile class of receptors. <i>Journal of Chromatography A</i> , 2002, 979, 137-145.	1.8	16
11	The Contribution of Electrospray Mass Spectrometry to the Study of Metal Complexes: The Case of Copper(II)-Dipeptide Systems. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 2612-2620.	1.0	16
12	Miniaturized and multi-purpose electrochemical sensing device based on thin Ni oxides. <i>Sensors and Actuators B: Chemical</i> , 2018, 263, 10-19.	4.0	16
13	Diaminotrehalose-capped $\beta$ -cyclodextrin, a new member of hemispherodextrins: Synthesis, thermodynamic and spectroscopic characterization and its exploitation in chiral electrokinetic chromatography. <i>Journal of Separation Science</i> , 2011, 34, 70-76.	1.3	15
14	Synthesis and NMR characterization of $\beta$ -alanine-bridged hemispherodextrin, a very efficient chiral selector in EKC. <i>Electrophoresis</i> , 2007, 28, 2580-2588.	1.3	13
15	Coordination Properties of 3-Functionalised $\beta$ -Cyclodextrins: Thermodynamic Stereoselectivity of Copper(II) Complexes of the 3-Histamine Derivative and Its Exploitation in Ligand-Exchange Capillary Electrophoresis. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 377-383.	1.0	11
16	Separation and quantitation of metal ions by 4-(2-pyridylazo)resorcinol complexation in capillary electrophoresis-electrospray ionisation mass spectrometry. <i>Journal of Chromatography A</i> , 2008, 1179, 17-23.	1.8	10
17	Expanded Newborn Screening Using Tandem Mass Spectrometry: Seven Years of Experience in Eastern Sicily. <i>International Journal of Neonatal Screening</i> , 2018, 4, 12.	1.2	10
18	Optimisation methodology in the chiral and achiral separation in electrokinetic chromatography in the case of a multicomponent sample of dansyl amino acids. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 85, 55-60.	1.4	8

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19	Sulfidic spring in the gypsum karst system of Monte Conca (Italy): chemistry and microbiological evidences. <i>International Journal of Speleology</i> , 2015, 44, 125-139.	0.4	8
20	Sulfide Species Optical Monitoring by a Miniaturized Silicon Photomultiplier. <i>Sensors</i> , 2018, 18, 727.	2.1	6
21	A Capacitive Sensor, Exploiting a YSZ Functional Layer, for Ammonia Detection. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022, 71, 1-11.	2.4	5
22	Neonatal Screening on Tandem Mass Spectrometry as a Powerful Tool for the Reassessment of the Prevalence of Underestimated Diseases in Newborns and Their Family Members: A Focus on Short Chain Acyl-CoA Dehydrogenase Deficiency. <i>International Journal of Neonatal Screening</i> , 2020, 6, 58.	1.2	4
23	A Capacitive Readout Strategy for Ammonia Detection: Design Flow, Modeling and Simulation. , 2021, , .		4
24	A Novel Paper-Based Biosensor for Urinary Phenylalanine Measurement for PKU Therapy Monitoring. <i>Lecture Notes in Electrical Engineering</i> , 2019, , 195-200.	0.3	1
25	New ratio as a useful marker for early diagnosis of proximal urea cycle disorders. <i>Clinica Chimica Acta</i> , 2021, 520, 154-159.	0.5	1
26	An Innovative Optical Chem-Sensor Based on a Silicon Photomultipliers for the Sulfide Monitoring. <i>Lecture Notes in Electrical Engineering</i> , 2019, , 75-81.	0.3	0